

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 07058040
PUBLICATION DATE : 03-03-95

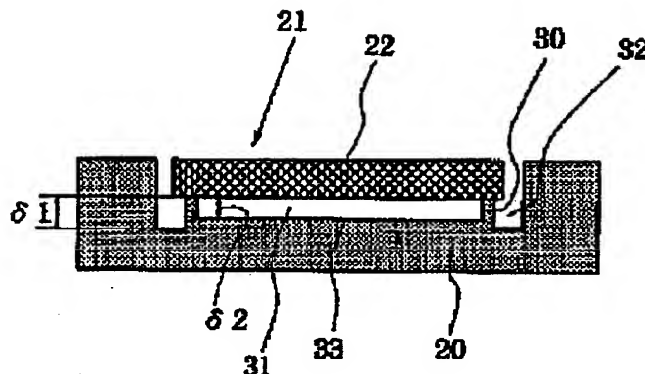
APPLICATION DATE : 20-08-93
APPLICATION NUMBER : 05226679

APPLICANT : TOKUYAMA CERAMICS KK;

INVENTOR : TAKAMURA KATSUYUKI;

INT.CL. : H01L 21/205 C23C 14/50 H01L 21/31

TITLE : SUSCEPTOR FOR PHASE GROWTH APPARATUS



ABSTRACT : PURPOSE: To provide a susceptor for a gas phase growth apparatus capable of reducing deformation of a semiconductor wafer and heating the same uniformly.

CONSTITUTION: In a susceptor 20 for a gas phase growth apparatus including a circular counterbore part 21 for supporting a flat portion of a semiconductor wafer 22, there is provided an annular protrusion 30 concentric with the circular counterbore part 21. The center line of the annular protrusion 30 is located in the range of 65-75% of the radius of the counterbore part 21, and recessed cross section portions are formed inside and outside the annular protrusion 30. The depth $\delta 1$ of the outer recessed portion 32 is 1.2-2.0 times the depth $\delta 2$ of the inner recessed portion.

COPYRIGHT: (C)1995,JPO